

ABSTRACT

RADIO COMMUNICATION SYSTEM

5 In a radio communication system comprising a plurality of stations (100a,100b,100c) operating in a peer-to-peer mode, each station stores information relating to the transmission parameters of other stations. Such information may include the frequency offset and received signal strength of signals from the other stations. One station acts as central controller and
10 allocates time slots for transmission from a first station (100a) to a second station (100b). Before the first station (100a) receives a signal from the second station (100b) it makes initial adjustments to its receiver circuitry depending on the stored information about previous signals received from that station (100b). This simplifies the task of adjusting the receiver circuitry during the preamble
15 of the signal transmitted by the second station (100b).

(Figure 1)

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